10. Troubleshooting

10.1 Malfunction

Indoor Unit Operational Fault Codes

No.	Code	LED1	LED2	LED3
1	T2 temp sensor error	Flash	Off	Off
2	Wire control input error	Flash	Off	Flash

Outdoor Unit Operational Fault Codes

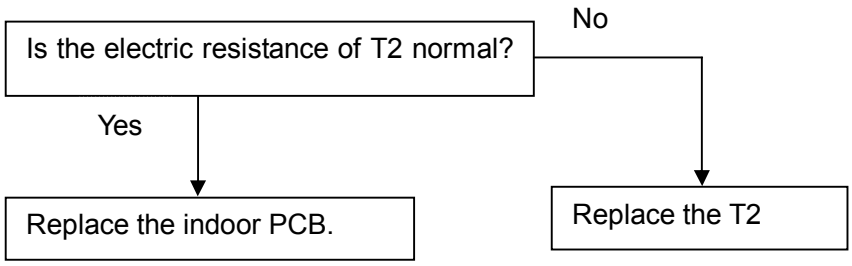
Remarks: cooling only system (220~240-1-50) doesn't need outdoor PCB, not included.

No.	Code	LED1	LED2	LED3
1	Current protection	Off	Off	Flash
2	Communication error	Flash	Off	Flash
3	T3 error	Off	Flash	Flash
4	T4 error	Off	Flash	Off
5	Condenser high temp protection	Flash	Flash	Flash

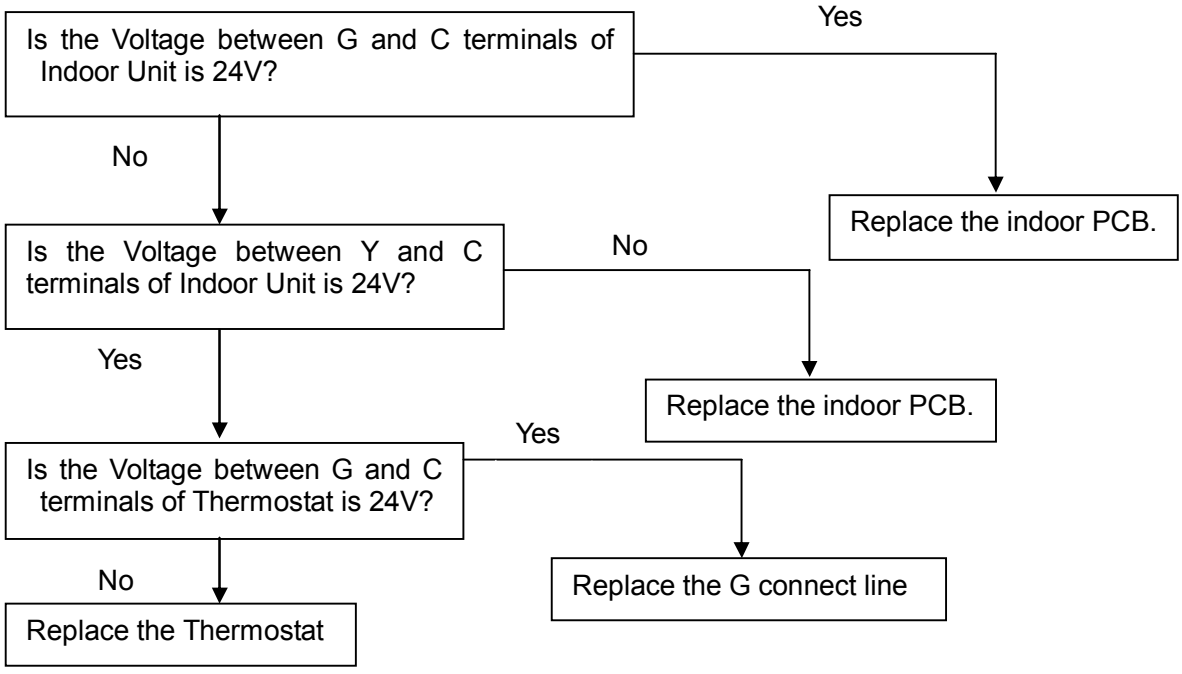
10.2 Diagnostic chart

Indoor units

1. T2 temp sensor error

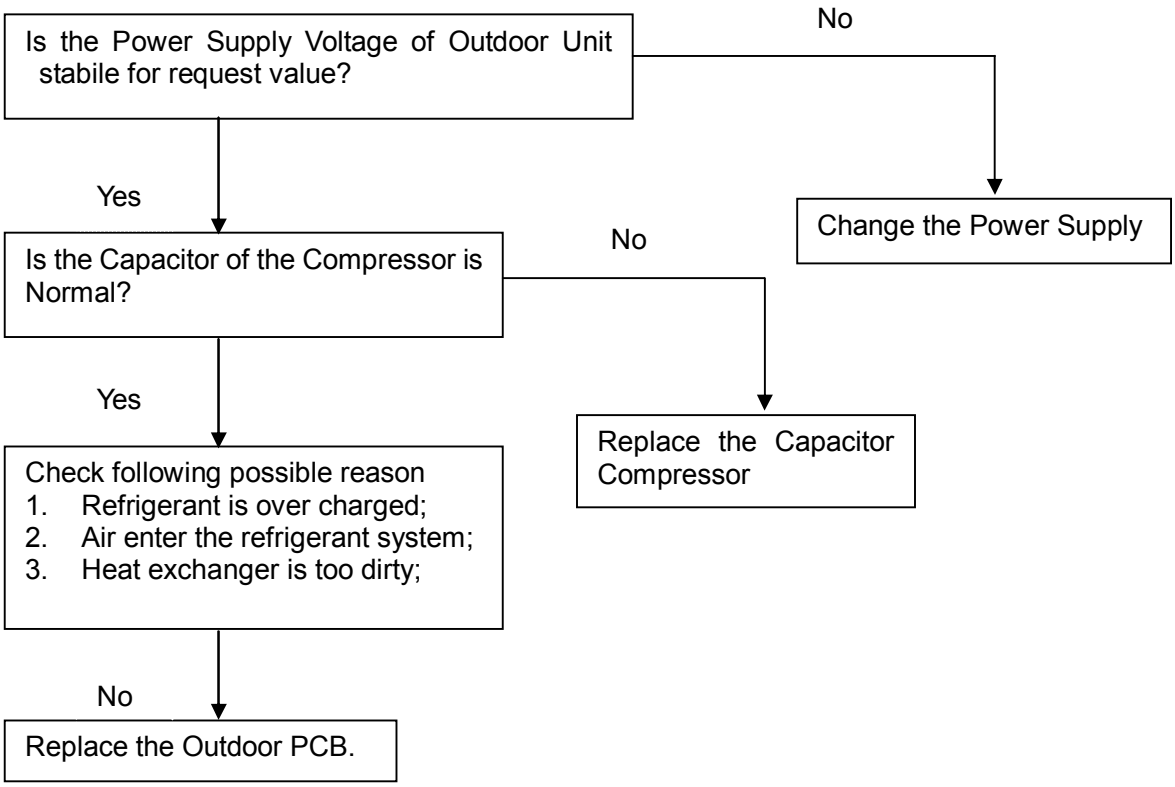


2 .Wire control input error


Is the Voltage between G and C terminals of Indoor Unit is 24V?
Yes
No
Replace the indoor PCB.
Is the Voltage between Y and C terminals of Indoor Unit is 24V?
No
Yes
Replace the indoor PCB.
Is the Voltage between G and C terminals of Thermostat is 24V?
Yes
No
Replace the G connect line
Replace the Thermostat

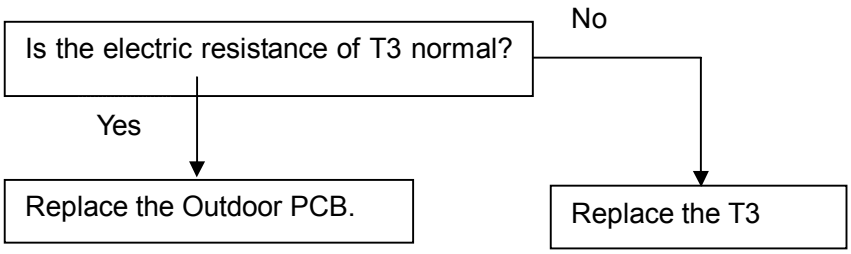
Outdoor units

1 .Current protection


Is the Power Supply Voltage of Outdoor Unit stabile for request value?
No
Change the Power Supply
Yes
Is the Capacitor of the Compressor is Normal?
No
Replace the Capacitor Compressor
Yes
Check following possible reason
1. Refrigerant is over charged;
2. Air enter the refrigerant system;
3. Heat exchanger is too dirty;
No
Replace the Outdoor PCB.

2. Communication error Inefficacy

3. T3 temp sensor error



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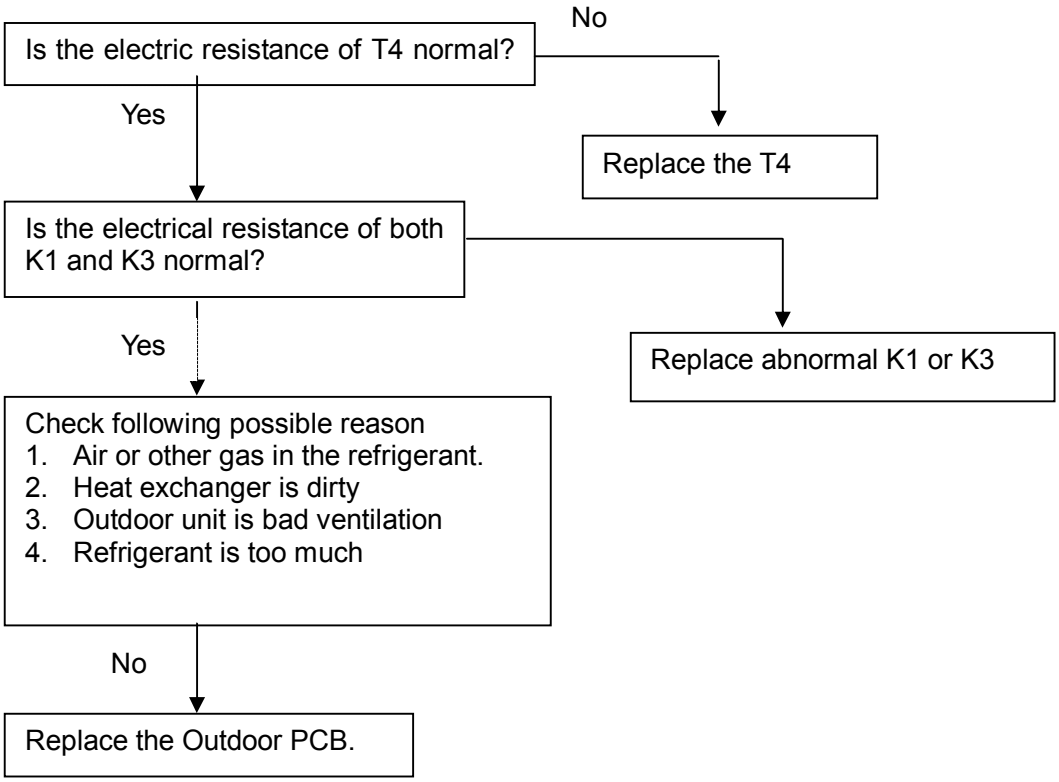
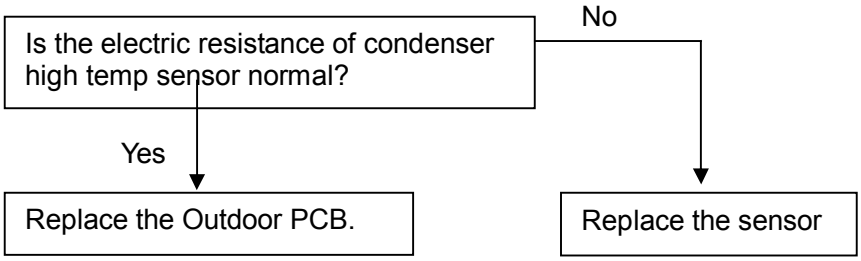
4. T4 temp sensor error


Is the electric resistance of T4 normal?
No
Replace the T4
Yes
Is the electrical resistance of both K1 and K3 normal?
Replace abnormal K1 or K3
Yes
Check following possible reason
1. Air or other gas in the refrigerant.
2. Heat exchanger is dirty
3. Outdoor unit is bad ventilation
4. Refrigerant is too much
No
Replace the Outdoor PCB.

5. Condenser high temp protection



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